

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1 - 13. (Canceled)

1 14. (Currently amended): A plasma display panel comprising:
2 a first substrate on which a first electrode is formed;
3 a second substrate on which a second electrode facing said first substrate
4 is formed;
5 a barrier plate having a metal electrode and disposed between said first
6 substrate and said second substrate; and
7 a cell defined as a region of space bounded by said first substrate, said
8 second substrate, and said barrier plate,
9 said metal electrode having a projection that is only a portion of said metal
10 electrode which projects into said region of space in a plane approximately parallel to a
11 plane of said plasma display panel.

1 15. (Previously presented): The plasma display panel claimed in claim
2 14, wherein said projection of said metal electrode is formed at a position where said
3 metal electrode overlies said first electrode.

1 16. (Previously presented): The plasma display panel claimed in claim
2 14, wherein said metal electrode has another projection which projects into said cell, said
3 projections being formed at opposing surfaces of said barrier plate which form sides of
4 said cell, said projections thereby being in opposed relation to each other.

1 17. (Previously presented): The plasma display panel claimed in claim
2 14, wherein said metal electrode comprises a plurality of layers, at least a first layer of
3 said metal electrode having a projection or a concave at a position where said metal
4 electrode crosses over said first electrode.

1 18. (Currently amended): A plasma display panel comprising;
2 a first substrate;
3 a second substrate in facing relation to said first substrate;
4 a barrier plate disposed between said first substrate and said second
5 substrate and having a metal electrode; and
6 a cell defined by said first substrate and said second substrate and said
7 barrier plate,
8 said first substrate comprising an address electrode, a first dielectric layer
9 formed on said address electrode, a first electrode formed on said first dielectric layer
10 such that said first electrode crosses over said address electrode,
11 said second substrate comprising a second electrode,
12 said metal electrode having a projecting portion ~~projection or a concave~~ at
13 a position where said metal electrode crosses over said first electrode, said projection
14 being directed toward said cell in a plane approximately parallel to said plasma display
15 panel.

1 19. (Currently amended): The plasma display panel claimed in claim
2 18, wherein said ~~projection of said metal electrode~~ projecting portion is formed at a
3 position where said metal electrode overlaps flat with said first electrode.

1 20. (Currently amended): The plasma display panel claimed in claim
2 18, wherein said metal electrode has additional projecting portions~~another projection or~~
3 ~~concave~~, said additional projecting portions ~~projections or concaves~~ being formed at
4 opposing surfaces of said barrier plate which form sides of said cell, thereby being in
5 opposed relation to each other.

1 21. (~~Previously presented~~Currently amended): The plasma display
2 panel claimed in claim 19, wherein said metal electrode comprises a plurality of layers, at
3 least a layer of said metal electrode located near said first electrode has a projecting
4 portion ~~projection or concave~~ at a position where said metal electrode crosses over said
5 first electrode.

1 22. (Currently amended): A plasma display panel comprising;
2 a front substrate;
3 a back substrate; and
4 a barrier plate disposed between said front substrate, said back substrate
5 configured with a plurality of cells,
6 said front substrate comprising a front glass substrate having an X
7 electrode formed thereon,
8 said back substrate comprising a back glass substrate having an address
9 electrode and a Y electrode formed thereon,
10 said barrier plate comprising a metal electrode having a projecting part
11 ~~projection~~ which projects into an interior region of said cell at a position where said metal
12 electrode crosses over said Y electrode,
13 said projecting part lying in a plane approximately parallel to a plane of
14 said plasma display panel at a position where said metal electrode crosses over said Y
15 electrode.

1 23. (Currently amended): A plasma display panel comprising:
2 a first substrate;
3 a second substrate that faces said first substrate;
4 a barrier plate formed between said first substrate and said second
5 substrate, said barrier plate comprising a metal electrode; and
6 a cell defined by said first substrate and said second substrate and said
7 barrier plate,
8 said first substrate comprising an address electrode, a first dielectric layer
9 formed on said address electrode, a first electrode and a second electrode formed on said
10 first dielectric layer such that said first electrode and said second electrode are in crossed
11 relation with said address electrode,
12 said metal electrode has a portion thereof that is a projection or a concave
13 at the position where said metal electrode crosses over one of said first electrode and said
14 second electrode,
15 said projection or concave extending in a plane approximately parallel to
16 said plasma display panel.

1 24. (Previously presented): The plasma display panel claimed in claim
2 23, wherein said barrier plate further comprises a partition between said first electrode
3 and said second electrode configured to provide a discharge passage between said first
4 electrode and said second electrode having an inverted U-shape.

1 25. (Previously presented): The plasma display panel claimed in claim
2 23, wherein said first electrode and said second electrode are formed alternately and said
3 metal electrode comprises a partition between said first electrode and said second
4 electrode.

1 26. (Previously presented): The plasma display panel claimed in claim
2 23, wherein said metal electrode has a projection or concave at positions where said
3 metal electrode crosses over one of said first electrode and said second electrode.

1 27. (Previously presented): The plasma display panel claimed in claim
2 23 wherein said metal electrode comprises a plurality of layers, at least a layer of said
3 metal electrode located near said first electrode has a projection or concave at a position
4 where said metal electrode crosses over one of said first electrode and said second
5 electrode.

1 28. (~~Previously presented~~Currently amended): The plasma display
2 panel claimed in claim 23, wherein said projection or concave of said metal electrode is
3 formed at a surface of said barrier plate which forms the side of said cell and faces each
4 other.

1 29. (Currently amended): A plasma display panel comprising:
2 a front substrate;
3 a back substrate; and
4 a barrier plate which is formed between said front substrate and said back
5 substrate, said barrier plate configured with a plurality of cells,
6 said back substrate comprising a back glass substrate, an address
7 electrode, an X electrode, and a Y electrode formed thereon, said X electrode and said Y
8 electrode overlying and in crossed relation to said address electrode,
9 said barrier plate comprising a metal electrode having a first projection
10 part which projects into said cell in a plane that is approximately parallel to said display
11 panel and at the position where said metal electrode crosses over said X electrode and a
12 second projection part which projects into said cell in a plane that is approximately
13 parallel to said display panel and at the position where said metal electrode crosses over
14 said Y electrode.

1 30. (Previously presented): The plasma display panel claimed inn
2 claim 29, wherein said barrier plate further comprises segment formed between said X
3 electrode and said Y electrode in a manner to define a reversed U-shaped discharge
4 passage between said X electrode and said Y electrode.

1 31. (Previously presented): The plasma display panel claimed in claim
2 29, wherein said X electrode and said Y electrode are formed alternately and said metal
3 electrode further comprises a segment formed between said X electrode and said Y
4 electrode.

1 32. (New): A plasma display panel comprising:
2 a first substrate on which a first electrode is formed;
3 a second substrate on which a second electrode that facing said first
4 substrate is formed;
5 a barrier plate having a metal electrode formed between said first substrate
6 and said second substrate; and
7 a cell bounded by said first substrate, said second substrate, and said
8 barrier plate,
9 wherein said metal electrode has a concave portion that projects away
10 from said cell in a plane parallel to a plane of said panel.

1 33. (New): A plasma display panel comprising:
2 a first substrate;
3 a second substrate facing said first substrate;
4 a barrier plate having a metal electrode formed between said first substrate
5 an said second substrate; and
6 a cell formed among said first substrate, said second substrate, and said
7 barrier plate,

8 wherein said first substrate has an address electrode, a first dielectric layer
9 formed on said address electrode, a first electrode formed on said first dielectric layer so
10 that said first electrode crosses over said address electrode, and said second substrate has
11 a second electrode,

12 wherein said metal electrode has a concave portion which projects in a
13 direction away from said cell and in a plane approximately parallel to a plane of said
14 plasma display panel at a position where said metal electrode crosses over said first
15 electrode.

1 34. (New): A plasma display panel comprising:
2 a front substrate;
3 a back substrate; and
4 a barrier plate which is formed between said front substrate and said back
5 substrate to form a plurality of cells,

6 wherein said front substrate has a front glass substrate having formed
7 thereon an X electrode,

8 wherein said back substrate has a back glass substrate having formed
9 thereon an address electrode and a Y electrode,

10 said barrier plate having a metal electrode having a concave that projects
11 opposite to said cells and in a plane approximately parallel to said plasma display panel at
12 a position where said metal electrode crosses over said Y electrode.

1 35. (New): A plasma display panel comprising:
2 a first substrate;
3 a second substrate facing said first substrate; and
4 a barrier plate having a metal electrode formed between said first substrate
5 and said second substrate; and
6 a cell formed among said first substrate, said second substrate, and said
7 barrier plate,

8 wherein said first substrate has an address electrode, a first dielectric layer
9 formed on said address electrode, a first electrode and a second electrode formed on said
10 first dielectric layer so that said first electrode and said second electrode intersect with
11 said address electrode,

12 wherein said metal electrode has a concave portion which projects in a
13 direction away from said cell and in a plane approximately parallel to a plane of said
14 plasma display panel at a position where said metal electrode crosses over at least one of
15 said first electrode and said second electrode.

1 36. (New): A plasma display panel comprising:
2 a front substrate;
3 a back substrate; and
4 a barrier plate which is formed between said front substrate and said back
5 substrate to form a plurality of cells,

6 wherein said back substrate has a back glass substrate having formed
7 thereon an address electrode, an X electrode and a Y electrode, said X and Y electrodes
8 intersecting said address electrode,

9 wherein said barrier plate has a metal electrode, said metal electrode has a
10 first concave portion which projects in a direction away from said cell and in a plane
11 approximately parallel to a plane of said plasma display panel at a position where said
12 metal electrode crosses over said X electrode, and a second concave portion which
13 projects in a direction opposite said cell and in a plane approximately parallel to a plane
14 of said plasma display panel at a position where metal electrode crosses over said Y
15 electrode.